



- 1) STATE: OH (2 CHARACTERS)
- 2) COUNTY: FRANKLIN
- 3) USEPAID: OH D 9 8 0 5 1 0 2 2 6 (12 CHARACTERS)
- 4) STPR: H
- 5) SITE: MARBLECLIFF QUARRIES DUMP
- 6) ADDRESS: DUBLIN ROAD
- 7) CITY: COLUMBUS
- 8) ZIP: _____
- 9) START: _____
- 10) WP: _____
- 11) PREHRS: _____
- 12) PROJHRS: _____
- 13) FEPR: _____
- 14) SI: _____
- 15) HRS: _____
- 16) DRILL: _____
- 17) RST: _____
- 18) RTY: _____
- 19) TDD: _____
- 20) COMMENTS: _____

Not Rec'd 3/25/86

PRELIMINARY ASSESSMENT
NARRATIVE

Re: Marblecliff Quarries Dump
AKA Marblecliff Quarries Sanitary Landfill
OHD980510226
Franklin County

February 6, 1986

The Marblecliff Quarries Dump is located in Norwich Township on Dublin Road, 3,700 feet north of Trabue Road and just west of the Scioto River. Surrounding land uses consist of active and abandoned limestone quarries, commercial and medium to low density residential.

The site is presently owned by Kaufman Investment Company of Columbus, Ohio and is part of a land parcel leased by American Aggregates for mining of limestone. Medussa Aggregates leased the property before American Aggregates. Prior to its use as an area landfill, the site was a limestone quarry. It is believed this site is not in use at the present time.

Two 103(c) notifications were filed for the site; one by Columbus Coated Fabrics indicating organic and inorganic materials, heavy metals, paints and pigments were disposed of on the site. The other notification was by Kaufman Investment Company and indicates approximately 100 tons of those materials listed in Attachment A (from the Eckhardt Survey) are known to have been deposited on the site. Both 103(c) notifications indicate the site was used between 1950 and 1961. Columbus Coated Fabrics, now owned by Borden, Inc. was owned previously by Kaufman Investment Company.

Few records exist indicating the quality of the site for a landfill or the quality of the operation of the landfill. Records do indicate the site was used as a sanitary landfill and was prohibited from use for disposal of flammable liquids, explosives, sewage and other hazardous substances. A 1969 Ohio Department of Health Inspector report on the landfill (in operation at the time) indicates earth and waste limestone were used as cover materials. It is believed this cover is similar to the flume sand which has limitations to preventing movement of leachate from landfills.

Site investigations of proposed landfills in quarries just west and south of the site indicated these sites to be generally unsuitable for development of sanitary landfills. The jointed-fractured nature of the underlying limestone may allow easy leachate movement from landfills on these sites. An investigation report (June 13, 1973) for a site just west of McKinley road indicates the water table gradient is toward the Scioto River. It is believed these same conditions exist at the Marblecliff Quarries Dump site. The same 1973 report also stated water well pumpage could alter the water table gradient possibly causing contamination of area wells. However, Ohio EPA believes only a handful of wells still exist in the area and most residences are on the Columbus Water System. The Groundwater Resources of Franklin County, Ohio (1958) indicates at the time of publication most wells in the vicinity drew from the limestone bedrock. Groundwater is obtained predominately from the Devonian and Silurian limestone and dolomite, with expected yields up to 175 gpm from the Devonian limestone.

The Scioto River is used as a Public Water supply for the City of Columbus. The Dublin Road Water Treatment Plant (serves 250,144 people) draws water approximately four stream miles downstream of the landfill site.

Due to the potential for contamination of the Columbus Water Supply at the Dublin Road Water Treatment Plant, Ohio EPA recommends this site receive a high priority for both U.S. EPA and Ohio EPA action.

Prepared By:



William M. Schneider
Division of Solid & Hazardous
Waste Management
Central District Office

Reviewed By:



Steven A. Rath, P.E., Unit Supervisor
Division of Solid & Hazardous
Waste Management
Central District Office

WMS/sc

1034T/32-33



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

OH D980510226

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)

Marblecliff Quarries Dump

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER

Dublin Rd

03 CITY

Columbus

04 STATE

OH

05 ZIP CODE

06 COUNTY

Franklin

07 COUNTY CODE

08 CONG DIST

09 COORDINATES LATITUDE

N 39 59 58

LONGITUDE

W 83 05 00

N.W. Columbus, OH Quad. # 115 SE

10 DIRECTIONS TO SITE (Starting from nearest public road)

From Columbus take U.S. 33 northwest to Trabue Rd; turn left (west); turn north (right) onto Dublin Rd.; Right side, 3700 ft north of Trabue Rd.

III. RESPONSIBLE PARTIES

01 OWNER (If known)

Kaufman Investment Company

02 STREET (Business, mailing, residential)

2151 E. Dublin-Granville Road
Suite B-263

03 CITY

Columbus

04 STATE

OH

05 ZIP CODE

43229

06 TELEPHONE NUMBER

(614) 899-1229

07 OPERATOR (If known and different from owner)

08 STREET (Business, mailing, residential)

09 CITY

10 STATE

11 ZIP CODE

12 TELEPHONE NUMBER

()

13 TYPE OF OWNERSHIP (Check one)

☒ A. PRIVATE ☐ B. FEDERAL

(Agency name)

☐ C. STATE

☐ D. COUNTY

☐ E. MUNICIPAL

☐ F. OTHER

(Specify)

☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED: / /

MONTH DAY YEAR

☒ B. UNCONTROLLED WASTE SITE (RCRA 103 c)

DATE RECEIVED: 6/9/81

MONTH DAY YEAR

☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

☒ YES

DATE

9/10/85 (OEPA)

☐ NO

BY (Check all that apply)

☐ A. EPA

☐ B. EPA CONTRACTOR

☒ C. STATE

☐ D. OTHER CONTRACTOR

☐ E. LOCAL HEALTH OFFICIAL

☐ F. OTHER

(Specify)

CONTRACTOR NAME(S):

02 SITE STATUS (Check one)

☐ A. ACTIVE

☒ B. INACTIVE

☐ C. UNKNOWN

03 YEARS OF OPERATION

~ 1950

1974

BEGINNING YEAR

ENDING YEAR

☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

See attached list: Attachment A

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

Groundwater contamination and contamination of the Columbus surface water supply at the Dublin Road Water Treatment Plant.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one: If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☒ A. HIGH

(Inspection required promptly)

☐ B. MEDIUM

(Inspection required)

☐ C. LOW

(Inspect on time available basis)

☐ D. NONE

(No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT

William M. Schneider

02 OF (Agency/ Organization)

Ohio EPA, Div. Solid Haz. Waste Mgt.

03 TELEPHONE NUMBER

(614) 466-8934

04 PERSON RESPONSIBLE FOR ASSESSMENT

Same

05 AGENCY

06 ORGANIZATION

07 TELEPHONE NUMBER

()

08 DATE

2/6/86

MONTH DAY YEAR



~~A. TOXIC~~ ~~E. SOLUBLE~~ I. HIGHLY VOLATILE
~~B. CORROSIVE~~ F. INFECTIOUS J. EXPLOSIVE
~~C. RADIOACTIVE~~ ~~G. FLAMMABLE~~ K. REACTIVE
~~D. PERSISTENT~~ H. IGNITABLE L. INCOMPATIBLE
M. NOT APPLICABLE



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

D1 STATE OH D2 SITE NUMBER 0980510226

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION

02 ☐ OBSERVED (DATE: NONE)

☒ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: UNKNOWN

04 NARRATIVE DESCRIPTION

Most people in immediate area are on the Columbus City water system.

01 ☒ B. SURFACE WATER CONTAMINATION

02 ☐ OBSERVED (DATE: NONE)

☒ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 250,144

04 NARRATIVE DESCRIPTION

Dublin Road WTP is 4.0 stream miles downstream of site

01 ☐ C. CONTAMINATION OF AIR

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ E. DIRECT CONTACT

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☒ F. CONTAMINATION OF SOIL

02 ☐ OBSERVED (DATE: NONE)

☒ POTENTIAL

☐ ALLEGED

03 AREA POTENTIALLY AFFECTED: 35
(ACRES)

04 NARRATIVE DESCRIPTION

Represents approximate size of landfill

01 ☒ G. DRINKING WATER CONTAMINATION

02 ☐ OBSERVED (DATE: NONE)

☒ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 250,144

04 NARRATIVE DESCRIPTION

Dublin Road WTP is approximately 4.0 stream miles downstream of site

01 ☐ H. WORKER EXPOSURE/INJURY

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 WORKERS POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ I. POPULATION EXPOSURE/INJURY

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

UNKNOWN



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

OH D980510226

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/runoff/standing liquids/leaking drums)

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

Site is unsuitable for a landfill.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

UNKNOWN

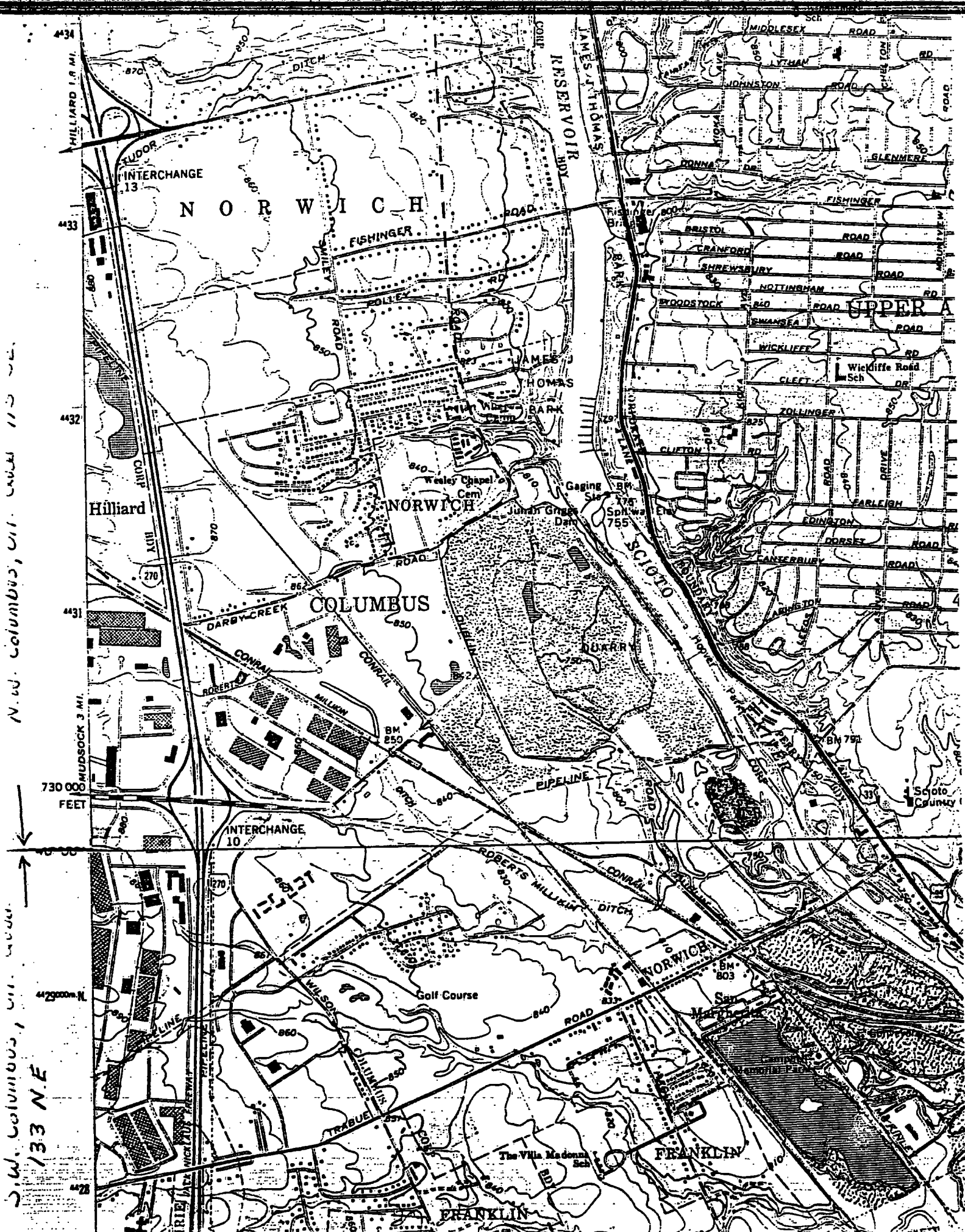
III. TOTAL POPULATION POTENTIALLY AFFECTED: 250,199

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references; e. g., state files, sample analysis reports)

See sources part IV.

N.W. Columbus, 11.0 miles
N.W. Columbus, 13.3 N.E.



4434
4433
4432
4431
730 000
FEET
4430000
4428

Attachment A

Company Name: Kaufman Investment Company

Site Name: Marblecliff Quarries Dump

E-11

Components (or characteristics) of process waste known to have been disposed at site or present in waste:

Base solutions, with pH 10
Heavy metals & trace metals (bonded organically and inorganically)
arsenic, selenium, antimony
iron, manganese, magnesium
zinc, cadmium, copper, chromium (trivalent)
chromium (hexavalent)
lead
Organics
fungicides & intermediates
halogenated aliphatics
acrylates & latex emulsions
plastizers
resins
elastomers
solvents polar (except water)
trichloroethylene
other solvents nonpolar
solvents halogenated aliphatic
oils and oil sludges
esters and ethers
alcohols --
ketones & aldehydes --
Inorganics
salts
mercaptans
Misc.
paints and pigments
wastes with flash point below 100°F